GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA

UNSTARRED QUESTION NO:5600
ANSWERED ON:30.04.2003
SAFETY MEASURES FOR NUCLEAR PLANTS
T.T.V. DHINAKARAN

Will the Minister of ATOMIC ENERGY be pleased to state:

(a) whether the radioactive release limits prescribed by the Atomic Energy Regulatory Board are the same as the international limits;

(b) if so, the details thereof;

(c) whether the safety measures in the nuclear plants are on the lines of international norms; and

(d) if so, the type of safety measures provided in each of the Nuclear Power Stations in the country?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF PLANNING, MINISTER OF STATE IN THE MINISTRY OF STATISTIC PROGRAMME IMPLEMENTATION, MINISTER OF STATE IN THE DEPARTMENT OF ATOMIC ENERGY AND MINISTI STATE IN THE DEPARTMENT OF SPACE (SHRI S.B. MOOKHERJEE)

(a) Yes, Sir.

(b) The Atomic Energy Regulatory Board (AERB) has stipulated that dose to the public due to the operation of a nuclear facility shall not exceed 1mSv per year. This is in line with the recommendations of the International Commission on Radiological Protection.

(c) Yes, sir,

(d) All nuclear power plants in India are designed based on principles of defence-in-depth, diversity, redundancy and have adequate safety systems in place. Atomic Energy Regulatory Board (AERB) licenses for operation of all nuclear power plants are based on a multi-tier review of safety systems. The safety measures are ensured by proper operating procedures and deployment of trained manpower licensed by AERB.Multiple barriers exist to prevent the escape of radiation to the environment. In addition, emergency preparedness, as a matter of abundant caution, is ensured by well laid down plans and procedures which are periodically rehearsed by the plant and the State authorities.